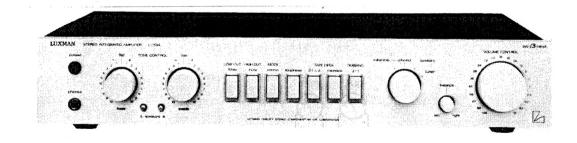


# LUXMAN SOLID STATE STEREO L-113A INTEGRATED AMPLIFIER



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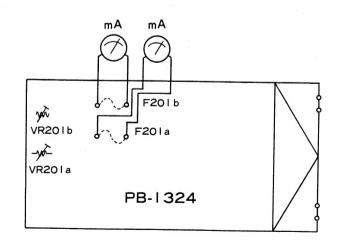
## ALIGNMENT PROCEDURE

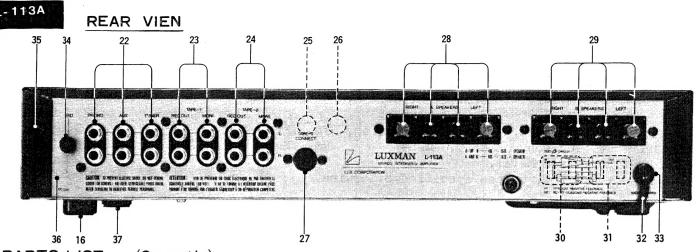
Set up Unit

Volume Control Tone Control Speaker

Minimum Center(Flat) Position "A" Pushed ON Position

- 1. Turn ON the Power Switch and wait 1 minute for warm up.
- 2. Bias (Idle Current) Adjustment
- (1) Take off Fuse F201a,b and connect D.C.Ammeter.
- (2) Adjust VR20la,b to get 50mA in D.C Ammeter.





Р	AR'	TS	LIST		Cosme	etic)
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		,					
SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
	Termina	al			Termina	al	·
22	AT5019	Input 6P.		27	AS0205	D.I.N.	
		(Phono, Aux, Tuner)		28	ATO124	Speaker A.(T5730)	
23	AT5018	Input 4P.		29	ATO124	Speaker B. (T5730)	
		(Recout 1, Monitor 1)		34	ACOOlO	G.N.D.	
24	AT5018	Input 4P.					
		(Recout 2, Monitor 2)					
	Power C	Cord & Bushing		Fuse holder & Extra AC Outlet			
32	BK0018		E,U	25		Speaker Protector (R)	Ū
32	BK0022	· · · · · · · · · · · · · · · · · · ·	S	26	,	Speaker Protector (L)	υ
33	BU0033	Bushing SR-4N-4		30	AC0010	AC Outlet (Unswitched)	E
				31	AC0010	AC Outlet (Switched)	$\mathbf E$
	Bonnet				Rear Pa	anel	
35	UG1027	Bonnet 1027		<ul><li>36</li><li>36</li></ul>		Rear Panel 1204	S
	Bottom Plate				UC1205	Rear Panel 1205	E,U
37	UE1105	Bottom Plate 1105					

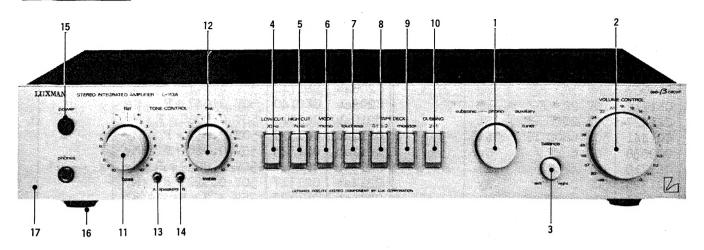
### **MECHANISM**

MECHANISM									
	Variabl	e Resistor			Transis	stor			
VROOl	RV0260	250K,CX2,Blance Cont.		Q206ab	TR0323	2SC-1845			
VR002	RV0259	50K,CX2,Treble Cont.		Q209ab	TR0330	2SC-2577(or 25A-1135)			
VRO03	RV0259	50K,CX2,Bass Cont.		Q210ab	TR0329	2SA-1102(or 2502665)			
VR101	RV0279	200K, AX2, Volume Cont.			Fuse ho	older, Jack & Heat sink			
	Switch			<b>%</b> F001	AH0019	lP Fuse holder	S		
S001	SP0167	Push. (Power)				XN-1153			
S101	SR0143	R-Slide		<b>%</b> F001	AH0016	lP Fuse holder	E		
		(Input Selector)				XN-1157			
S102~	SP0165	Push.		<b>%</b> F001	BF0304	Fuse.MF51NR-2A	S		
S108	SFULO	(Monitor, Filter, etc.)		<b>%</b> F001	BF0120	Fuse.MF60NR-3.5A	E		
S40lab	SP0193	Push. (Speaker)		<b>%</b> F301	BF0308	Fuse.MF51NR-0.5A	S		
S402ab	SF0195	rusn. (Speaker)		<b>%</b> F301	BFOlll	Fuse.MF60NR-0.5A	E		
	Power T	ransformer		<b>≫</b> F201ab		Fuse.MF51NR-4A	s		
**	PT2557	P-2557	S	<b>%</b> F202ab	-	ruse.rir yınk-4A	2		
*	PT2558	P-2558	E	<b>%</b> F201ab		Fuse.MF60NR-4A	H		
	Lamp			<b>%</b> F202ab	DECTIO	ruse.rroom4A	E		
Phono	AL0057	Lamp. (Green)			BE1075	Heat Sink 1075			
Subsonic	AL0057	Lamp. (Green)		Hphone	AJ0014	Head Phone Jack			
Tuner	AL0056	Lamp. (Orange)	1		Packing	; Material			
Aux	AL0056	Lamp. (Orange)			XA1300	Carton 1300			
		ltage Selector E ONLY			XB1040	Pad 1040			
*	AC0054	Socket M-1615	E						
*	AC0014	Plug P-2120	E		ME0208	Owner's Manual			

U= 120V Only

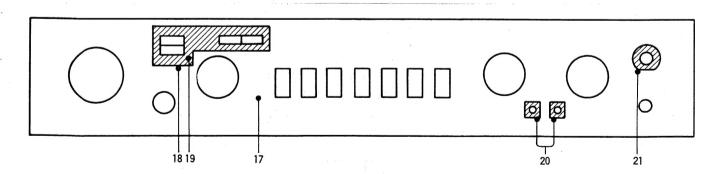
S= 220V on 240V Only E= 120V (with Line Voltage Selection)

## FRONT VIEW



## PARTS LIST .... (Cosmetic)

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
	Knob Set	t			Knob Se	t	
1	WHllO6	Input Selector		9	WJ1142P	Tape Monitor	
2	WH1105	Volume Control	• •	10	WJ1142P	Tape Dubbing	
3	WH1115	Balance Control		11	WH1106	Treble Control	
4	WJ1142P	Low Cut		12	WHll06	Bass Control	
5	WJ1142P	High Cut		13	WJ1145	A Speaker	
6	WJ1142P	Mode Selector		14	<b>WJ</b> 1145	B Speaker	
7	WJ1142P	Loudness		15	WJ1133	Power Switch	
8	WJ1142P	Tape Selector		Foot			
				16	WN0007	Foot	



	Front Pa	anel A'ssy		Front Pa	anel A'ssy		
17	WA1234	Front Panel		20	WE1095	Protector 1095	Set
18	UW1124	Spacer 1124		21	WE1089	Protector 1089	
19	WE1092	Protector 1092					

PB-1324

FB-132							
SYMBOL	STOCK	DESCRIPTION	REMARK	SYMBOL	STOCK	DESCRIPTION	REMARK
NO	NO	DESCRIPTION	TUMBLER	ИО	ИО	DESCRIPTION	TEMAKK
	Capacit	or			Capacit	or	
ClOlab	CE0346	50V 3.3 " F LR E1		C206ab	CE1720	16V 47 #F E1	
ClO2ab	CC0005	50V 33 PF Ce		C207ab	CQ1321	50V 0.047 $\mu$ F My	
				C207ab			
C103ab	CC0007	50V 100 PF Ce		11	CE1742	35V 47 # F E1	
Cl04ab	CE1718	16V 22 # F E1		C209ab	CKO140	50V 0.047 μ F Ce	
C105ab	CQ1427	50V 2000 PF St		C210ab	CQ1311	50V 0.0068 # F My	
C106ab	CQ1441	50V 6800 PF St		C2llab	CQ1319	50V 0.033 μ F My	
Cl07ab	CC0038	50V 5 PF Ce		C212ab	CQ1323	50V 0.068 # F My	
C108ab	CE1710	10V 47 #F E1		C213ab	CQ1308	50V 0.0039 # F My	
C109ab	CQ1325	50V 0.1 #F My		C214ab	CQ1317	50V 0.022 # F My	
CllOab	CE4096	50V 0.47 "F E1		C215ab	CE1727	25V 4.7 #F E1	
C111	CE1721	16V 100 #F E1		C216ab	CE1718	16V 22 $\mu$ F E1	
C112	CE1758	50V 100 "F E1		C217ab	CQ1310		
		-				-	
Cll3ab	CQ1320	50V 0.039 "F My		C301	CK0203	500V 0.01 #F Ce	
Cll4ab	CQ1308	50V 0.0039 #F My		C302	CE1027	50V 6800 #F E1	
C115ab	CQ1319	50V 0.033 "F My		C303	CE1027	50V 6800 #F E1	
C116	CE1757	50V 47 # F El		C304	CQ1420	50V 680 PF St	
C117	CE1717	16V 10 # F E1		C305	CQ1420	50V 680 PF St	
C118	CE1717	16V 10 #F E1		C306	CK0203	500V 0.01 4F Ce	
C119	CK0158	25V 0.047 # F Ce		C307	CE1758	50V 100 #F E1	
C120a	CQ5077	50V 330 PF St	, i	C308	CE1758	50V 100 $\mu$ F E1	
C121	CQ1420	50V 680 PF St		C309	CE1758	50V 100 $\mu$ F E1	
C20lab	CE0346	50V 3.3 "F LR E1		C310	CC0007	50V 100 PF Ce	
C202ab	CC0004	50V 22 PF Ce		C311	CK0158	25V 0.047 μF Ce	
C203ab	CE1732	25V 100 # F E1		C312	CK0158	25V 0.047 # F Ce	
C204ab	CC0006	50V 47 PF Ce		C313	CE1759	50V 220 4F El	
C205ab	CE1758	50V 100 #F E1			Transis	tor	
	Diode			QlOlab	TR0320	2SA-992	
D20lab	TD0065	WZ-192 (Zener)		Q102ab	TR0323	2SC-1845	
D301	TD0105	S3V 20		Q20lab	TR0254	2SA-798	
D302	TD0105	S3V 20		Q203ab	TR0198	2SC-1815	
D303	TD0105	S3V 20		Q204ab	TR0198	2SC-1815	
D304		-		Q205ab	TR0335	- 1	
	TD0105	S3V 20				2SC-1438-B	
D305	TD0003	IN-4003		Q206ab	TR0323	2SC-1845	
D306	TD0002	IN-4002		Q207ab	TR0311	2SC-2824	
	Switch			Q208ab	TR0312	2SA-1184	·
S101	SRO143	Rotary		Q209ab	TR0330	2SC-2577(or2SC-2665)	
		Input Selector		Q210ab	TR0329	2SA-1102(or2SA-1135)	
S102		Filter	I	Q301	TR0320	2SA-992	
}	SP0165	Push Loudness				Fuse Holder	
S108		Tape Dubbing et	c.	%F20lah	AH0028		S
	Variable	Resistor			AH0028		S
VRlOla		200 kΩ Ax2 Volume C		%F301	AH0028	23165102 <b>-</b> C	S
ATITOTA				%F201ab	VIIOOOO		D I
<u> </u>	P.C.B. I			MICOC-1	ATTOCCO	YSH-401T	E
		PB-1324		<b>%</b> F202ab		YSH-401T	E
	Choke Co			<b>%</b> F301	AH0029	YSH-401T	E
L201ab		LUX-1004 2 mH				e Resistor	
	Resistor	c(Unit: Ω)		VR20lab		500 Idle A.D.J.	
RlOlab	RBo414	56 K.O.25 W. Rd			Resisto	r (Unit:Ω)	
R102ab	RB0340	47 0.25 W. Rd		R110ab	RB0410	39 K. 0.25 W. Rd	
R103ab	RB0444	1 M.O.25 W. Rd		Rlllab	RB0440	680 K. 0.25 W. Rd	
R104ab	RB0436	470 K.O.25 W. Rd		R112ab	RB0374	1.2 K. 0.25 W. Rd	ļ
R104ab			l l		RB0394		· .
	RB0368	680 K.O.25 W. Rd		R113ab		8.2 K. 0.25 W. Rd	
R107ab	RB0412	47 K.O.25 W. Rd		R114ab	RB0360	330 0.25 W. Rd	
R108ad	RB0370	820 0.25 W. Rd		R115ab	RB0436	470 K. 0.25 W. Rd	
R109ad	RB0420	100 K.O.25 W. Rd		R116ab	RB0426		
				R117	RB0400	15 K. O.25 W. Rd	

#### PARTS LIST .....(P. C. B)

#### REMARKS

Capacitor: My...Mylar, El...Electrolitic, St...Styrol, Ce...Ceramic

Mi...Mica, Ta...Tantalum, Lp...Line pass (AC Cap.)

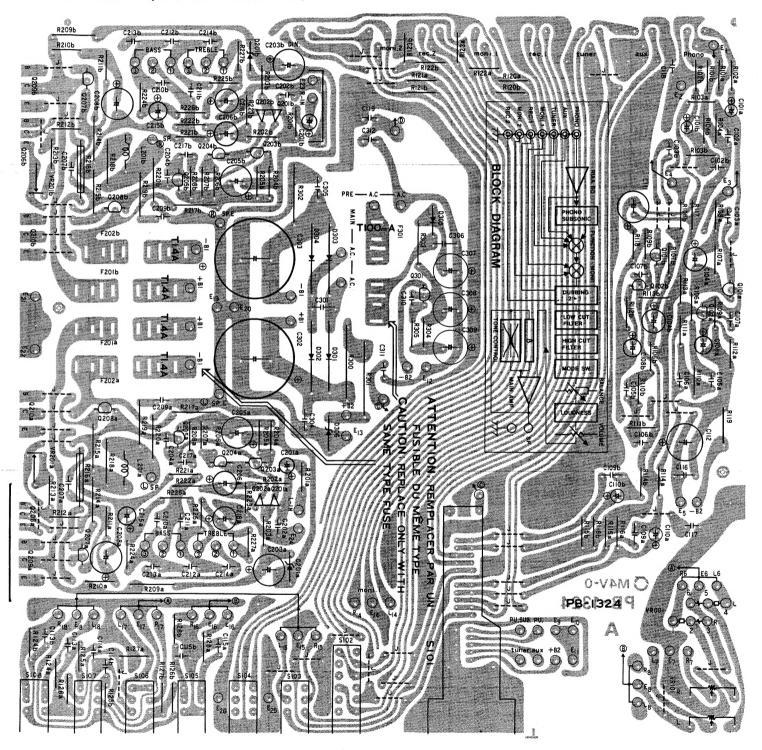
Tm...Trimmer, Ac...AC Capacitor, Fi...Film Cap.

Resistor: Rd...Carbon, Rc...Cement Rm...Metal Film, Rf...Flame proof

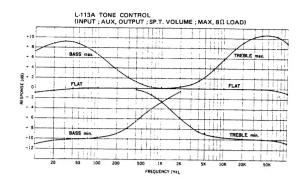
Ro...Oxid Metal,

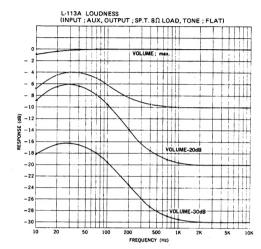
+5%,0,25W, unless specified otherwise.

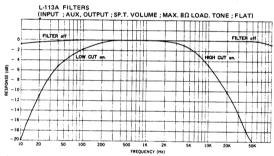
#### PB-1324··· Equalizer Power Amp

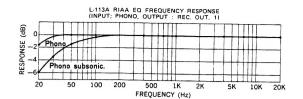


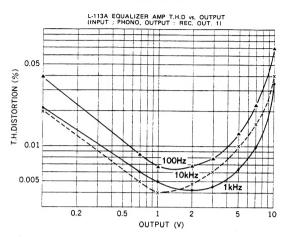
#### STANDARD CURVES

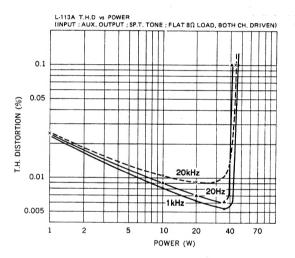












#### **SPECIFICATIONS**

Power Output:

40 W minimum continuous per channel both channels driven into

Rated I.M.:

8 ohms with no more than 0.02% total harmonic distortion. no more than 0.02% (8 ohms, 40 W/ch, 60 Hz: 7kHz= 4:1)

Frequency Response

30 Hz ~ 20 kHz (± 0.5 dB)-PHONO

Input Sensitivity & Input Impedance:

**PHONO** TUNER 2.2 mV

50 k ohms

130 mV

70 k ohms

AUX MONITOR

130 mV 130 mV 70 k ohms

Signal-to-Noise Ratio:

PHONO

70 k ohms better than 93 dB (IHF-A weighted, 10 mV)

(input short-circuited)

TUNER MONITOR

better than 100 dB (IHF-A weighted) better than 100 dB (IHF-A weighted)

Residual Noise:

no more than 0.5 mV

Tone Control:

Bass

+ 8 dB - 10 dB at 70 Hz

+8 dB

Filter:

– 10 dB at 14 kHz

7 kHz (-6 dB/oct.) Phono-Subsonic 30 Hz (-6 dB/oct.)

Dimensions:

70 Hz (-6 dB/oct.) Low Cut

Weight:

438 (W) x 306 (D) x 84 (H) mm (17-1/4" x 12-1/16" x 3-11/32")

Net Gross

Treble

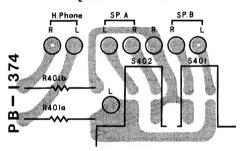
High Cut

7.5 kgs (16.5 lbs.)

8.5 kgs (18.7 lbs.)

SYMBOL NO	STOCK NO	DESCRIPTION	REMARK	SYMBOL NO	STOCK NO	DESCRIPTION	REMARK
	Resisto	r (Unit: Ω)			Resisto	r (Unit:Ω)	
R118	RB0410	39 K.O.25 W. Rd		R212ab	RB0378	1.8 K.O.25 W. Rd	
R119	RS1281	100 0.33 W. Rf		R213ab	RB0364	470 0.25 W. Rd	
R120ab	RB0444	1 M.O.25 W. Rd		R214ab	RS2512L	100 0.5 W. Ro	
R12lab	RB0444	1 M.O.25 W. Rd		R215ab	RS2512L	100 0.5 W. Ro	
R122ab	RB0424	150 K.O.25 W. Rd		R216ab	RG0090	0.33 2 W. Rc	
R123ab	RB0424	150 K.O.25 W. Rd		R217ab	RS2510L	68 0.5 W. Ro	
R124ab	RB0444	1 M.O.25 W. Rd		R218ab	RS2501L	10 0.5 W. Ro	
R125ab	RB0444	1 M.O.25 W. Rd		R219ab	RS2709L	10 1 W Ro	
R126ab	RB0392	6.8 K.O.25 W. Rd		R220ab	RS2526L	1.5 K.O.5W. Ro	
R127ab	RB0392	6.8 K.O.25 W. Rd		R221ab	RB0412	447 K.O.25 W. Rd	
R128ab	RB0398	12 K.O.25 W. Rd		R222ab	RB0394	8.2 K.O.25 W. Rd	
R201ab	RB0372	1 K.O.25 W. Rd		R223ab	Rb0362	390 0.25 W. Rd	
R202ab	RB0414	56 K.O.25 W. Rd		R224ab	RB0394	8.2 K.O.25 W. Rd	
R203ab	RB0396	10 K.O.25 W. Rd		R225ab	RB0376	1.5 K.O.25 W. Rd	
R204ab	RB0356	220 0.25 W. Rd		R226ab	RB0378	1.8 K.O.25 W. Rd	
R207ab	RB0356	220 0.25 W. Rd		R227ab	RB0360	330 0.25 W. Rd	
R208ab	RB0374	1.2 K.O.25 W. Rd		R303	RS2512L		
R209ab		1.5 K.O.5 W. Ro		R304	RB0416	68 K.O.25 W. Rd	
R210ab		2.7 K.O.25 W. Rd		R305	RB0372	1 K.O.25 W. Rd	
R2llab	RB0390	5.6 K.O.25 W. Rd					

PB-I374 ····· Speaker Selector



PB-1374	(Speake:	r Selector)		
R40lab	RS0125	300 Ω 2 W.	Rf	
S40lab	SP0193	Push Switch		4
S402ab	SF0195	SUF22S23	1	
	PC1374	P.C.B. Board	1	
		PB-1374		

**BLOCK DIAGRAMME** 

